

Features

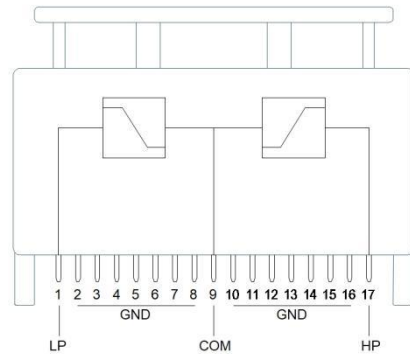
- 75 Ohm
- Plug in Design
- RoHS compliant
- Low Insertion Loss
- Excellent Cross over Isolation
- Small thickness

Introduction

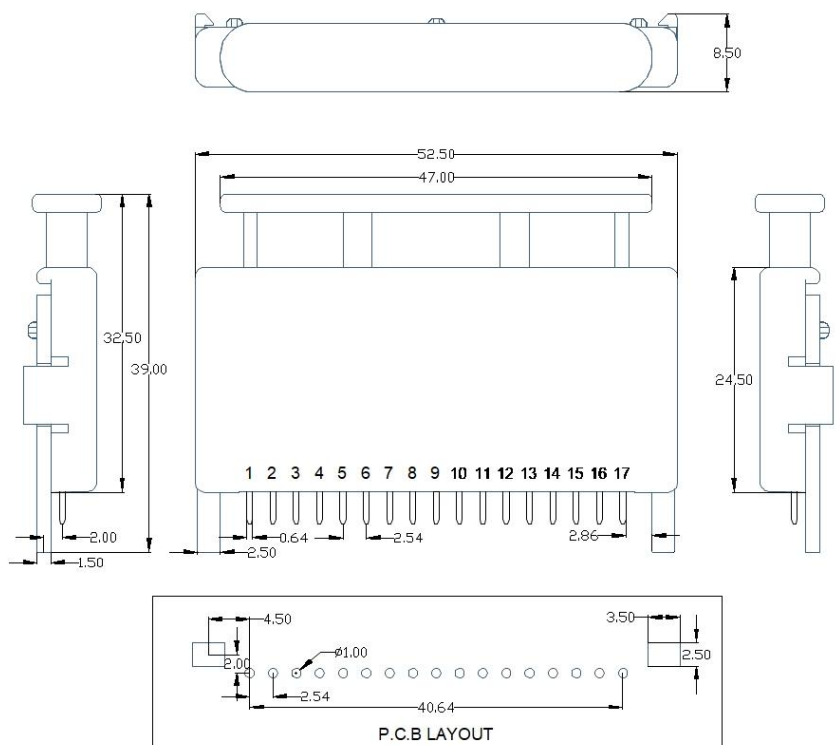
"Sanland" Diplex Filter Unit products, having low insertion loss and low reflection characteristics. To reduce the complexity of the calibration work, can simplify the circuit design.



Functional Schematic



Dimension (Unit: mm, Tolerance: ±0.2mm)



Pin Configuration

Pin number	Function
1	Low Pass Port
2~8	GND
9	Common
10~16	GND
17	High pass port

Electrical specifications: $T_A = 25^\circ\text{C}$, $Z_0 = 75\Omega$

Parameter	Test conditions	Min.	Max.	Units
Frequency range	5 ~ 684MHz			
	834 ~ 1794MHz			
Insertion loss	5 ~ 684 MHz @684MHz	-	1.5	dB
	834 ~ 1794MHz @834MHz	-	1.5	dB
	834 ~ 1794MHz @1794MHz	-	1.5	dB
Crossover Isolation	HP-LP 685 ~ 833MHz	45	-	dB
Out of Band Rejection	High Pass 5-684MHz	45	-	dB
Out of Band Rejection	Low Pass 834-1000MHz	50	-	dB
	1001-1220MHz	45	-	dB
	1221-1794MHz	40	-	dB
Return loss	5 ~ 684MHz	-	-20	dB
	834 ~ 1000MHz	-	-20	dB
	1001 ~ 1794MHz	-	-19	dB